

Figure 1

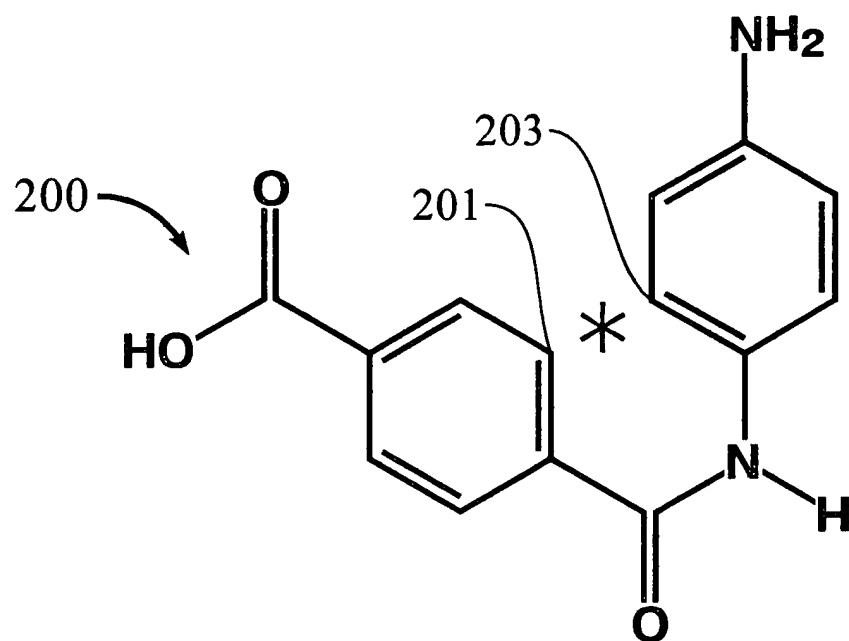


Figure 2a

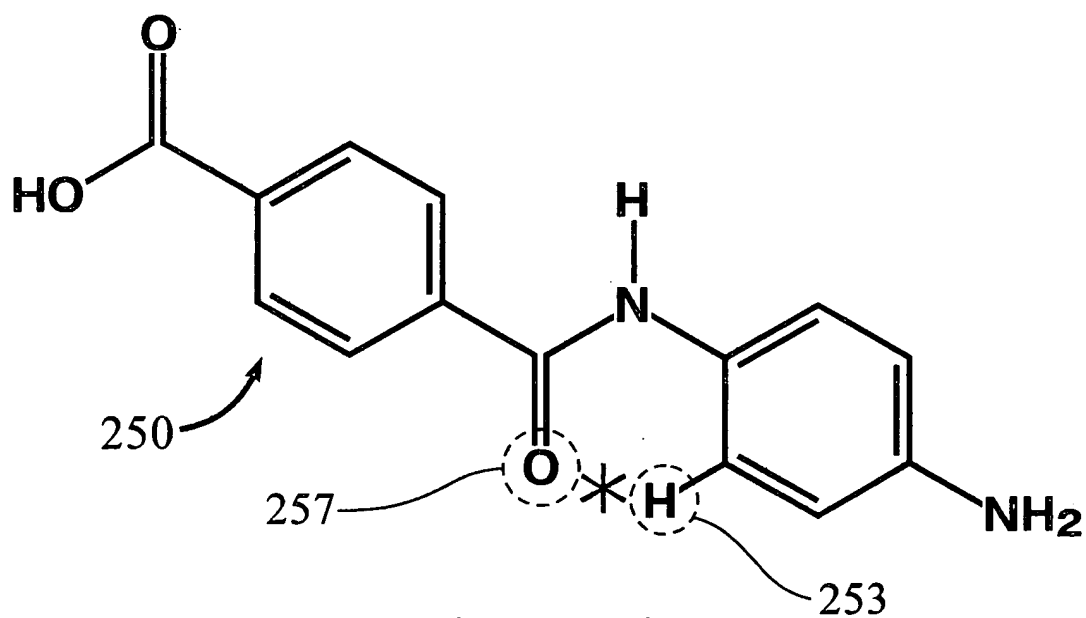
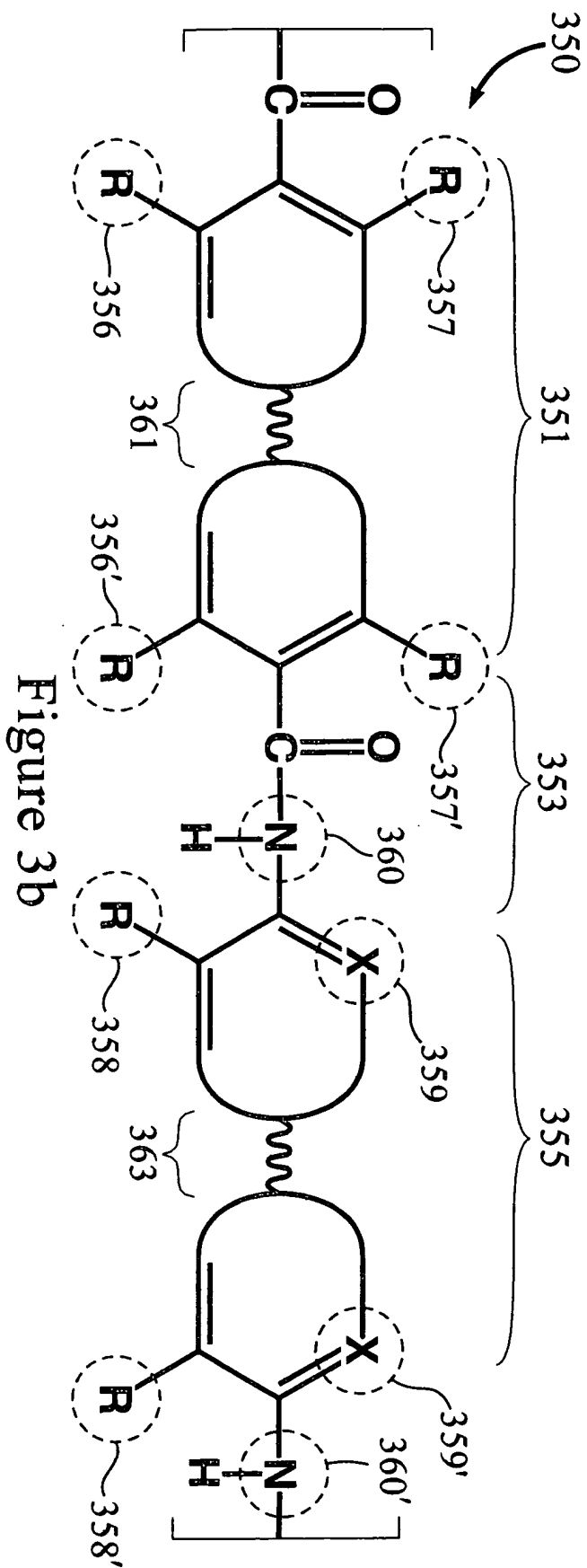
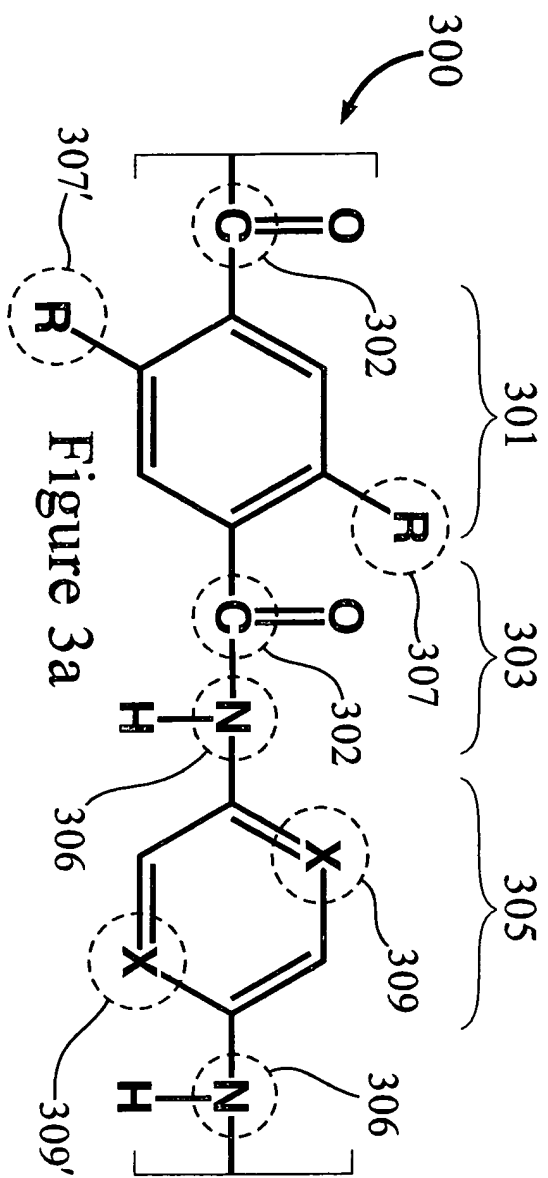
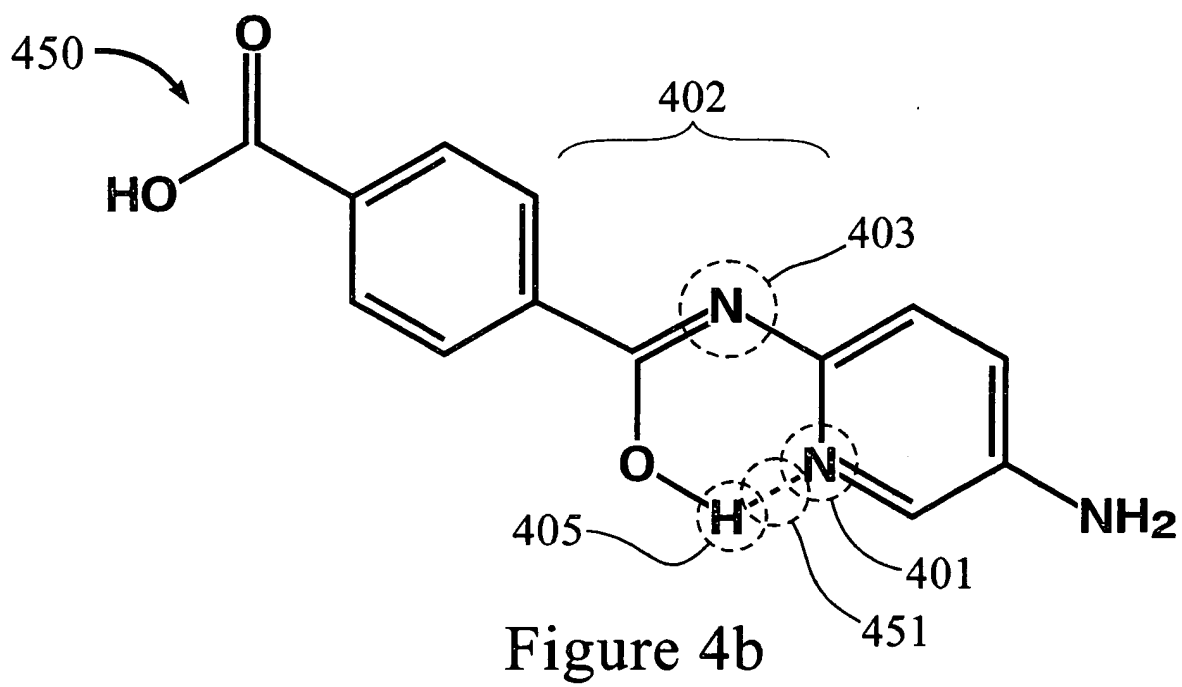
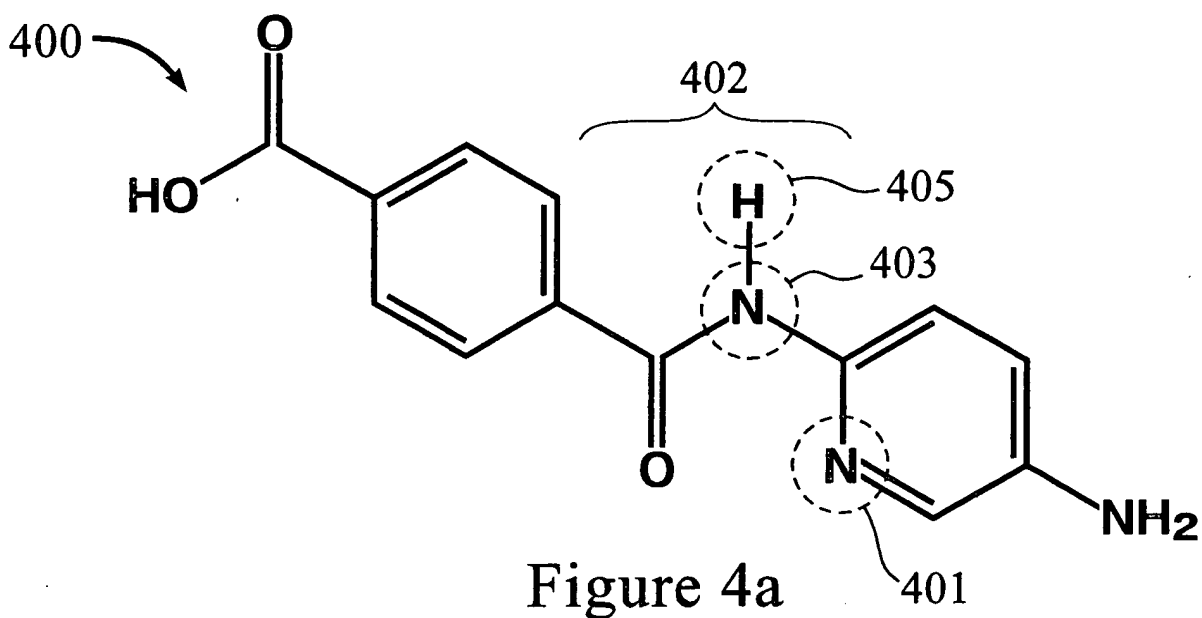


Figure 2b





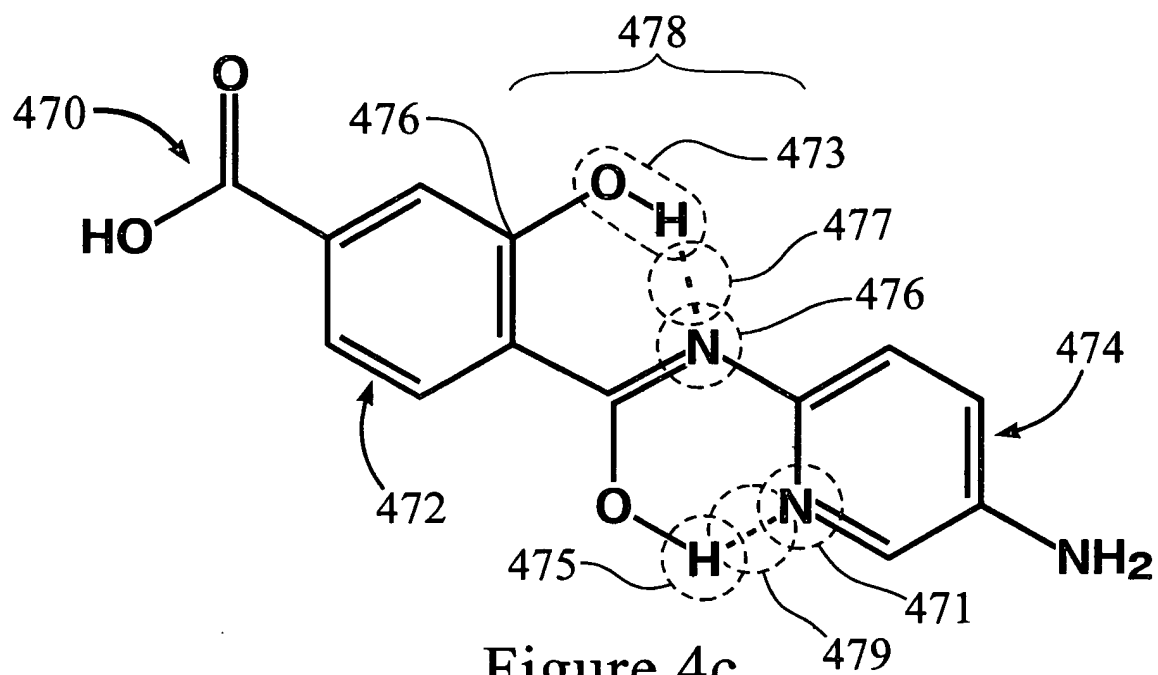


Figure 4c

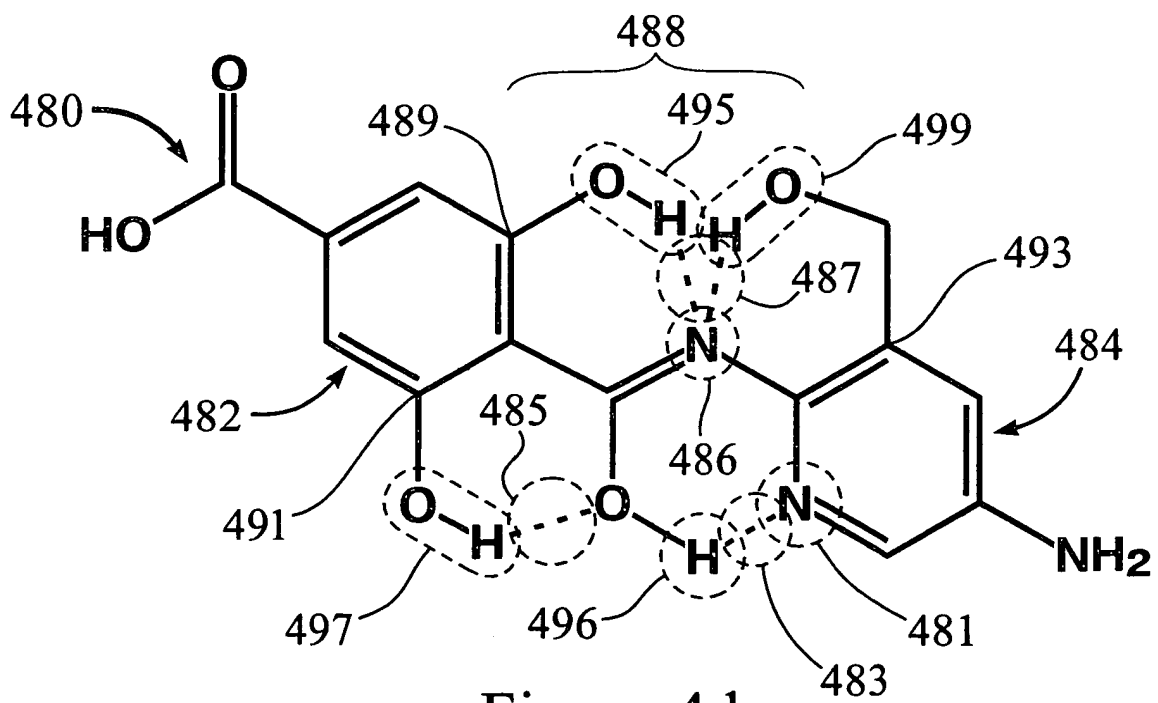


Figure 4d

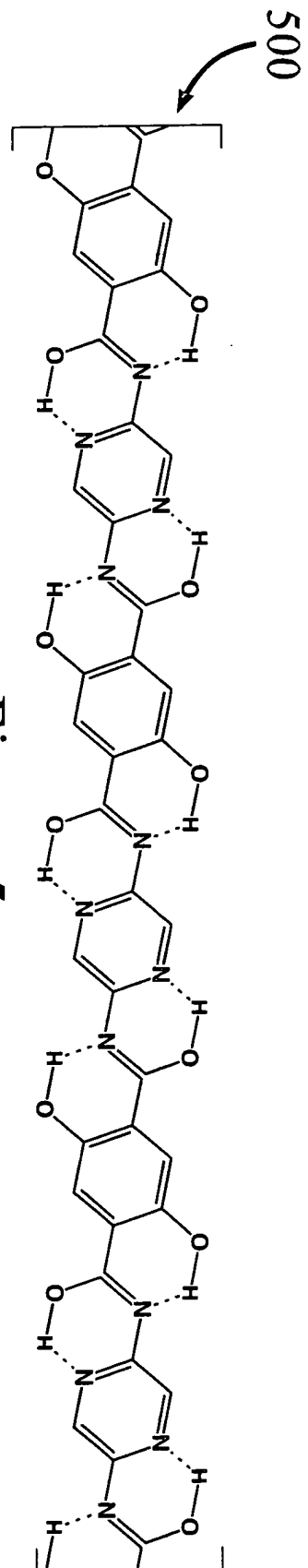


Figure 5a

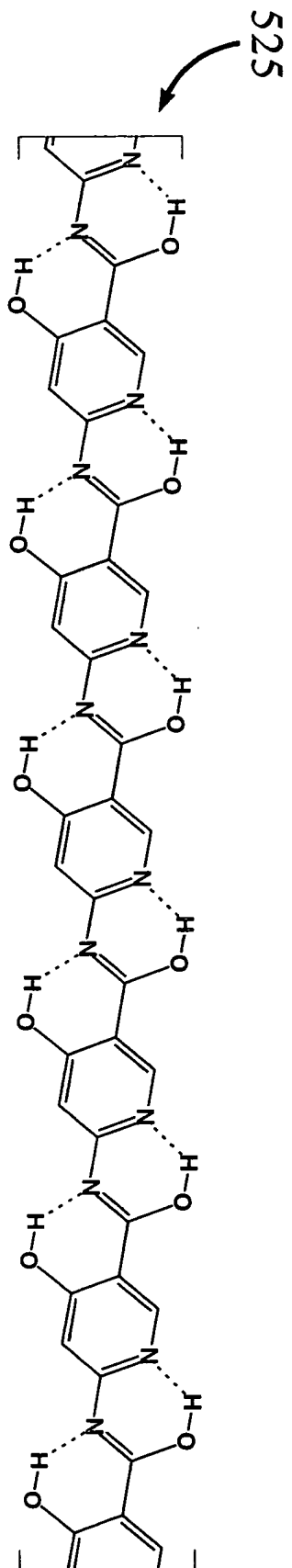
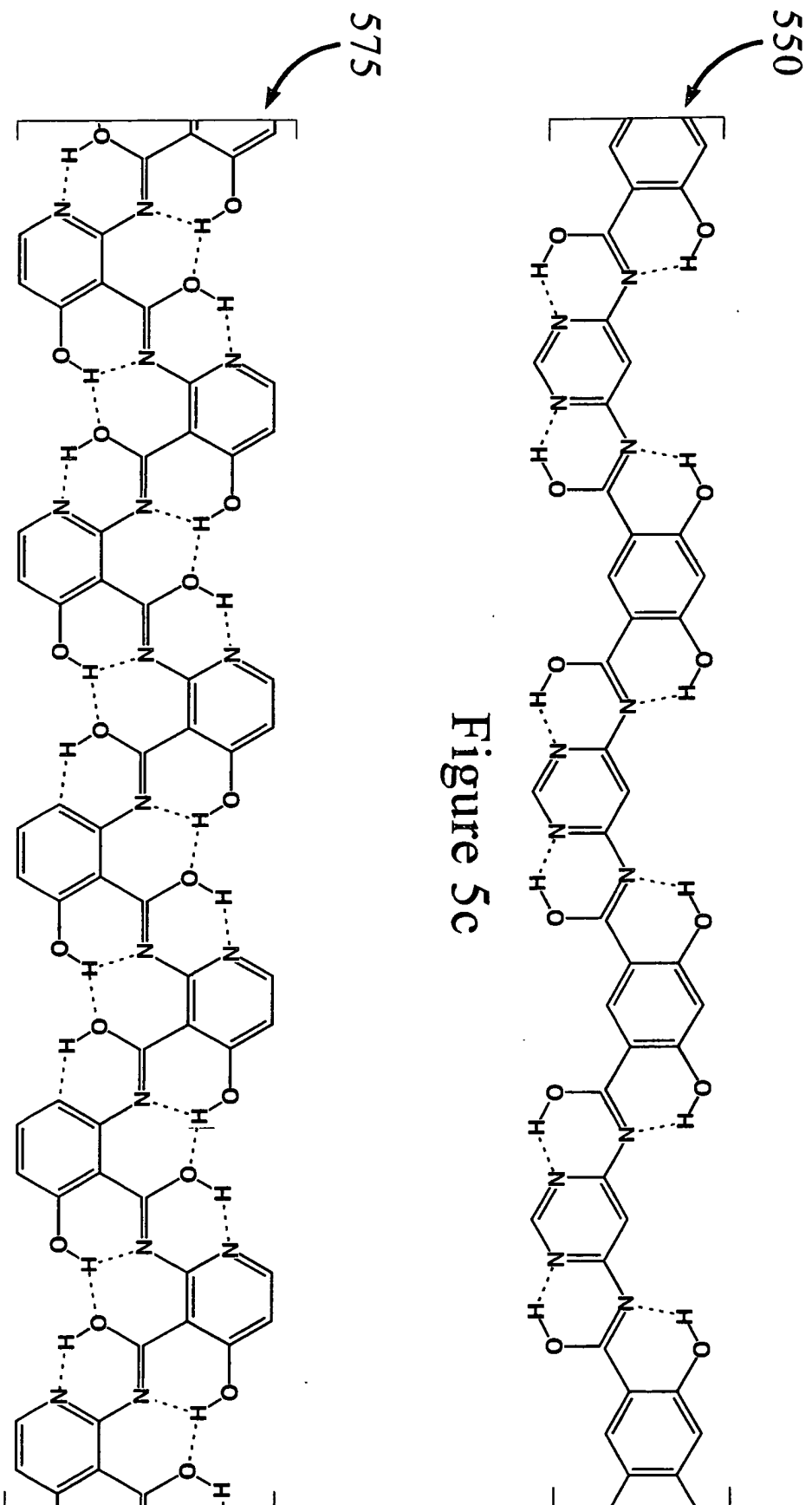


Figure 5b



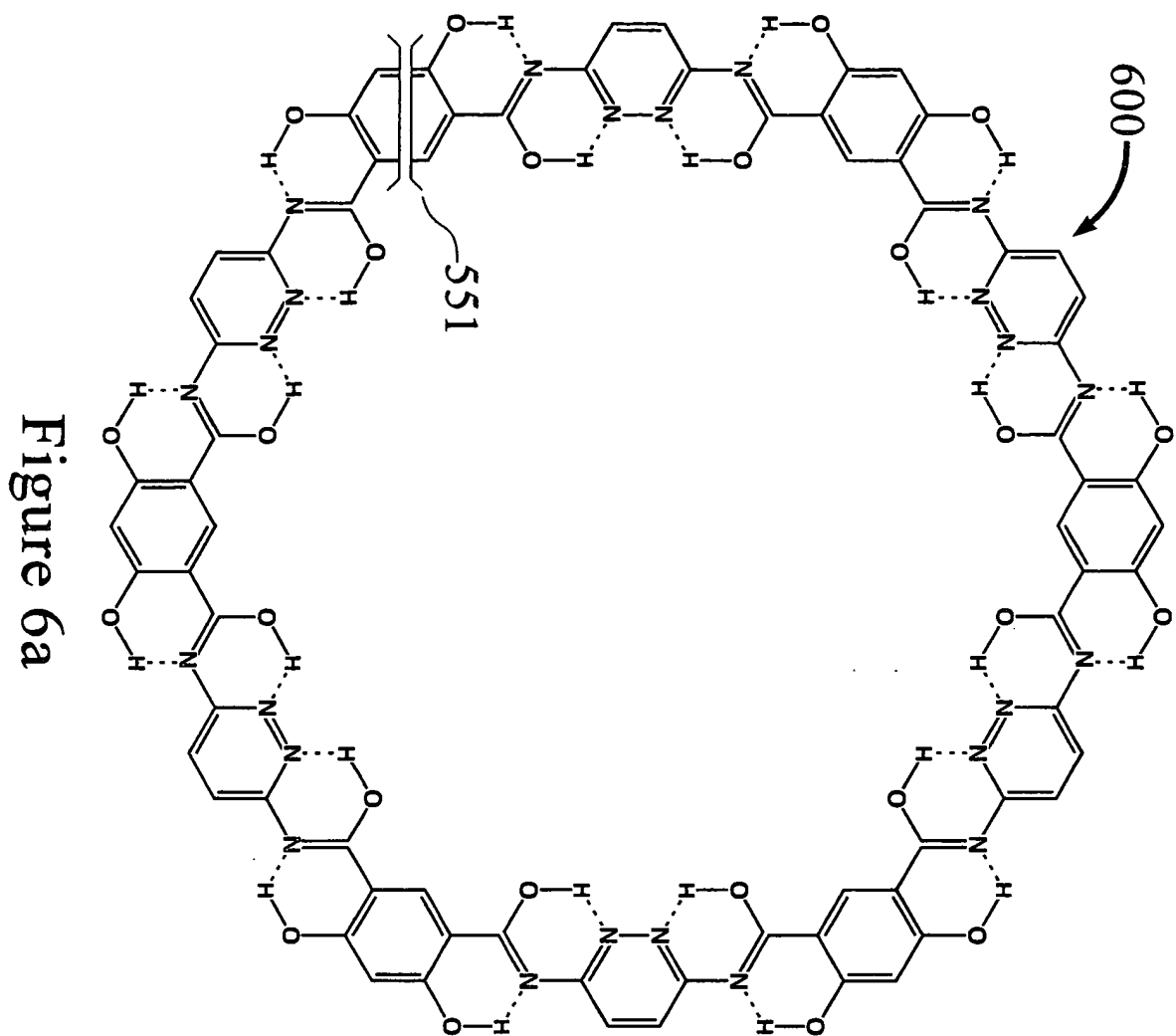


Figure 6a

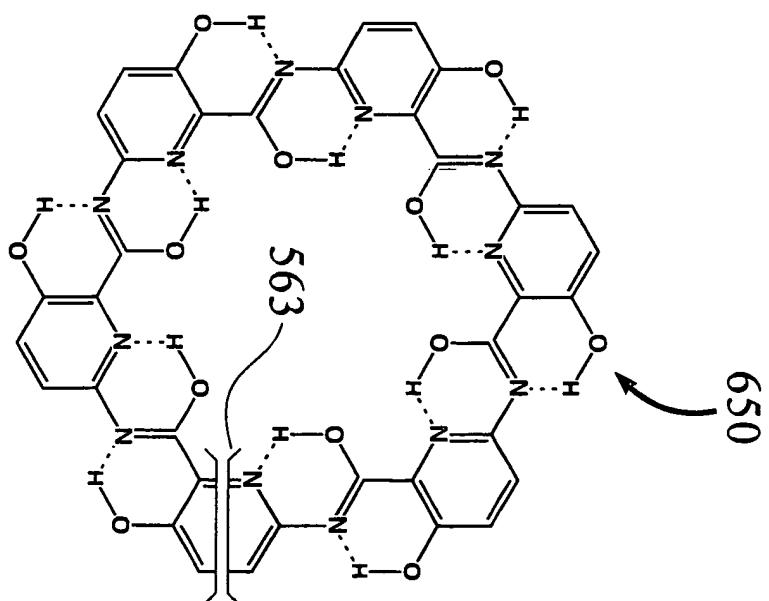


Figure 6b

Table 1: Examples of dicarboxylic acid monomers

<i>structure number</i>	<i>monomer chemical name</i>
1	2,3-dihydroxyterephthalic acid
2	2,5-dihydroxyterephthalic acid
3	4,6-dihydroxyisophthalic acid
4	3,5-dihydroxy-2,6-naphthalenedicarboxylic acid
5	1,5-dihydroxy-2,6-naphthalenedicarboxylic acid
6	3,7-dihydroxy-2,6-naphthalenedicarboxylic acid
7	3,6-dihydroxy-2,7-naphthalenedicarboxylic acid
8	1,8-dihydroxy-2,7-naphthalenedicarboxylic acid

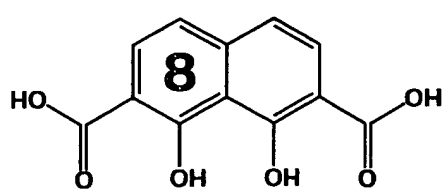
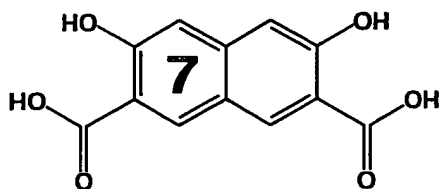
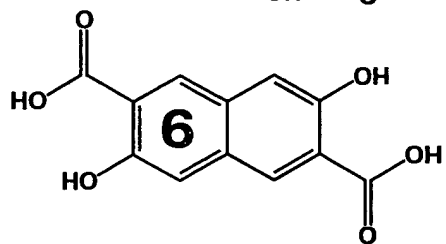
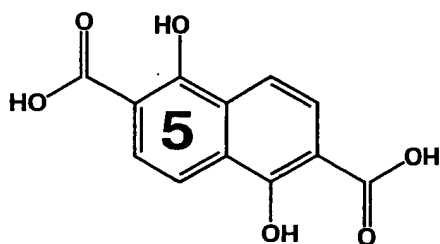
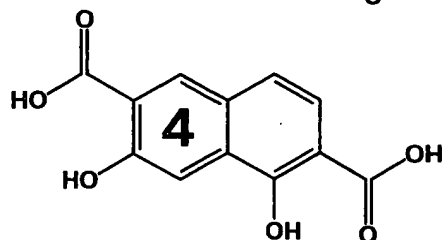
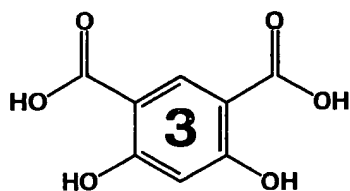
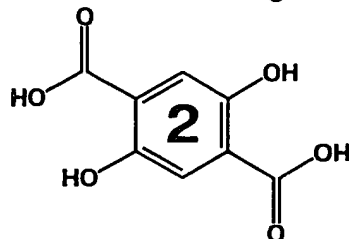
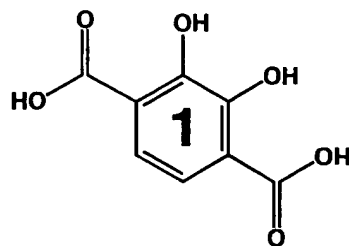


Figure 7

Table 2: Examples of diamino heterocyclic monomers

structure number	monomer chemical name
1	3,6-diaminopyridazine
2	2,5-diaminopyrazine
3	4,6-diaminopyrimidine
4	1,4-diaminophthalazine
5	2,6-diaminopyrido[3,4-b]pyridine
6	2,6-diaminopyrido[2,3-b]pyridine
7	3,6-diamino-[2,7-dibenzodiazine]
8	3,7-diamino-[2,6-dibenzodiazine]
9	2,6-diamino-[1,3,5-dibenzotriazine]
10	2,6-diamino-[1,3,7-dibenzotriazine]
11	2,6-diamino-[1,3,5,7-dibenzotetrazine]
12	2,6-diaminopterin
13	2,7-diaminonaphthyridine
14	2,5-diaminopyrido[4,3-b]-pyridine
15	2,3-diaminopyrazine
16	1,7-diaminopyrido[2,3-c]pyridine

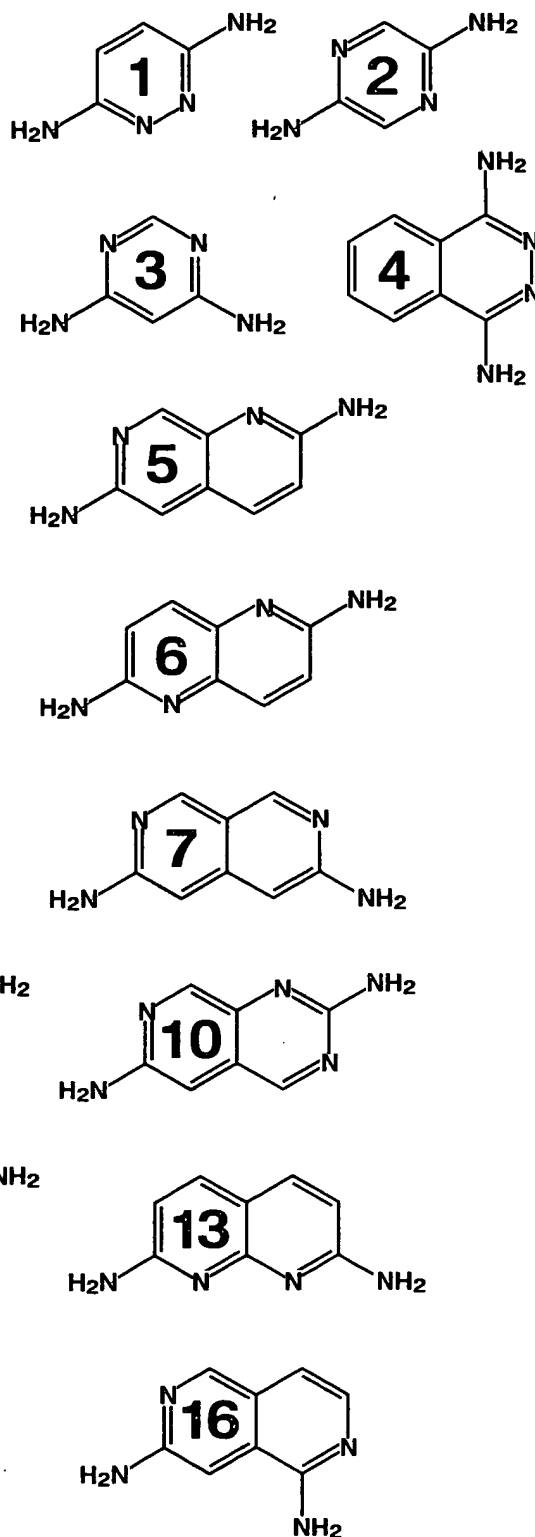


Figure 8

Table 3: Examples of amino-acid heterocyclic monomers

<i>structure number</i>	<i>monomer chemical name</i>
1	2-amino-3-carboxy-4-hydroxypyridine
2	2-amino-5-carboxy-4-hydroxypyridine
3	2-amino-5-carboxy-6-hydroxypyridine
4	2-amino-4-carboxy-3-hydroxypyridine
5	2-amino-4-carboxy-5-hydroxypyridine
6	2-amino-6-carboxy-5-hydroxypyridine
4a	1-amino-6-carboxy-7-hydroxyisoquinoline
4b	1-amino-6-carboxy-7-hydroxy-2-azanthracene
4c	3-amino-7-carboxy-6-hydroxy-2-azaphenanthrene

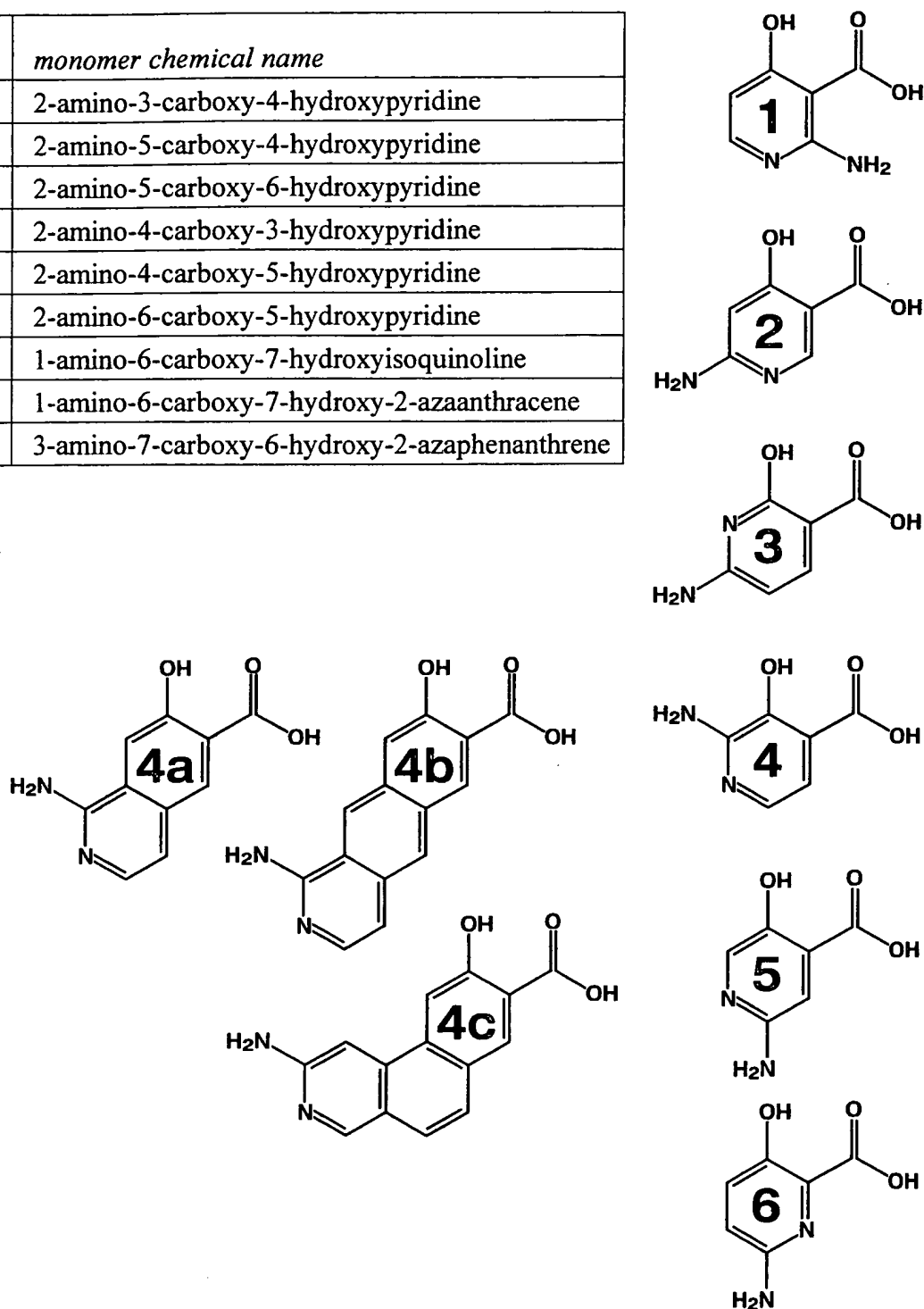


Figure 9